

21st Century Graphics and other Office 12 advances

Brendan Busch

Group Program Manager

Presentation and Graphics Services



A bit about the team

- "Presentation and Graphics Services"
 - "Graphics Product Unit", "Graphics Business Unit"



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 - "Graphics Product Unit", "Graphics Business Unit"
- What we do:
 - PowerPoint
 - OfficeArt
 - Shared drawing (Word, Excel, PowerPoint, Publisher, Front Page)
 - Graphics services (IE, SharePoint, Access, etc)
 - Tablet support
 - Meetings Workspaces (in SharePoint)

Some key team innovations

- Extending GDI (PowerPoint 2.0 – PowerPoint 95)
 - PP3: Metafile enhancements: scale, stretch, recolor
 - PP95: Halftone pens, halftone palette
 - Printing support



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- HTML output innovations (Office 2000)
 - Scalable HTML
 - VML



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- GDI+ integration (Office XP)



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 - VML
- GDI+ integration (Office XP)
- Ink support (Office 2003)

The Office development process



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 - Supportability (7 year support promise)
 - Builds, test tools, etc



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- We need to own all our code
 - Security
 - Supportability (7 year support promise)
 - Builds, test tools, etc
- This makes it very hard to get code from "outside" (contractors, vendors, research)

Key themes for Office 12

- OfficeArt:
 - 21st century graphics
 - Effects
 - Styles
 - Architecture
 - Integrated text engine
- Ink
 - Rich annotation support
 - Ink-based searching and markup

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- PowerPoint
 - 21st century documents
 - OfficeArt improvements
 - Animation and multimedia
 - Pitchbooks – support for dense printed documents
 - Presentation assembly and digital asset management
 - Presenting improvements – leveraging multiple monitors
 - Digital meetings: remote attendees, recording presentations
 - XML, and handling of a new file format

21st century graphics for Office 12

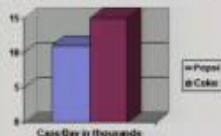


Word / PowerPoint output circa 1994

Cola Wars

Which beverage is consumed more in a given day on campus?

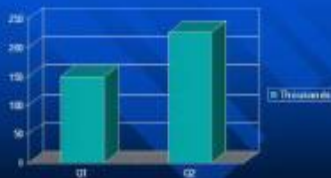
So just how many cans of cola are consumed a day and which brand, Coke® or Pepsi® is favored to most often. Here are the answers.



Did you know that Microsoft's Free Beverage Program costs the company \$8 million each year? Costs have been rising, and, keeping EPS in mind, MS Dining is asking all employees to remember to use this benefit wisely.

The Free Beverage Program is designed for use while on campus only. These free beverages are not to be used for any other purpose, such as commuting or home use.

Q2 Sales up 66%



Word / PowerPoint output circa 2003

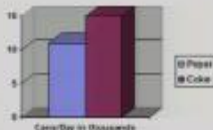
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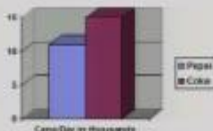
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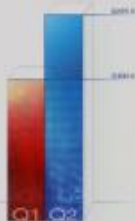
Microsoft
Means:



The just-below-average cups of soda are consumed a day and which brand, Coke™ or Pepsi™, is served in more offices. How can the answer?

Did you know that Microsoft's Free Beverage Program can be changed? It will be next year! Give him some more, but keep it in mind. But there is still a lot of evidence to consider in the future.

The Free Beverage Program is designed to be a long-term solution. There are many ways to be successful in the future. There are many ways to be successful in the future.



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Scenarios

- “Apply Design” transforms plain documents to professional design in all the Office applications. The quality of output rivals what people see in magazines, advertisements, and other professionally created content.



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- Any user can create great looking templates that work on all their Office documents (Folio)



Publisher



PowerPoint



Excel

+ Word, FrontPage, Visio



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- All the visual effects (transparency, soft shadows, WordArt, 3D, etc) people expect are easily available.

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- All the visual effects (transparency, soft shadows, WordArt, 3D, etc) people expect are easily available.
- “Everything I do looks good” – we provide tools that really work for the average document author.



Key efforts towards 21st Century Output

- OfficeArt 2.0: Graphic and Text Effects
 - Transparency, soft shadows, high quality fills, 2½D, 3D effects
 - Text: improved typography, layout, WordArt, Tables
 - Cross-Office integration for output & theming



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 - Charts
 - Diagrams

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- Publisher & the Apps: Templates/Styles
 - Folio
 - Documents, tables, backgrounds, diagrams, color schemes, etc.

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 - Documents, tables, backgrounds, diagrams, color schemes, etc.
- App-specific improvements
 - Word, PowerPoint, Excel, FrontPage, Publisher, Visio

Scenario: "Apply Design"

- "Apply Design" transforms plain documents to professional design in all the Office applications.
 - More than simple color + font.
 - Structural transformations.
 - Apply to all graphic objects in document.
- Consistent user interface in all the applications provides powerful results.
 - Word, PowerPoint, Excel, Visio, FrontPage, Publisher.
- Color schemes are useful and well integrated.



Line

Table

[View PDF 55 Kb page](#)

Layout 1

— 100 —

- Word (Content Authoring)
 - Large text areas
 - Mixed content
 - Flexible layout
- Excel (Data Analysis)
 - Tabular
 - Structured
 - Numerical
- Access (Reporting & Storing)
 - Relational database tables
- XDoc (Information Gathering)
 - Highly structured
 - Grouped fields
 - Nested

Yell Let's get
the thing back

五、

$$A = \begin{pmatrix} 1 & 2 & 3 \\ 2 & 3 & 4 \\ 3 & 4 & 5 \end{pmatrix}$$

Design Temperatures



Order Schemes

☐ Animation Screens

□ Drawing Layouts

File >

Edit >

Insert >

Format >

Data >



Page 1

Adventure Works Sales Report

Data Source: Adventure Works Sales

Salesperson: All Salespeople

Sales Category	Year		
	2002	2003	Grand Total
Bike Component	\$ 1,439	\$ 5,712	\$ 7,151
Bike	\$ 18,455	\$ 27,019	\$ 45,474
Total Bike	\$ 19,894	\$ 32,731	\$ 52,625
Accessory	\$ 37	\$ 127	\$ 163
Car Racks	\$ 35	\$ 107	\$ 136
Clothing	\$ 72	\$ 824	\$ 896
Shoes	\$ 37	\$ 119	\$ 156
Total Other	\$ 181	\$ 1,177	\$ 1,352
Grand Total	\$ 20,075	\$ 33,908	\$ 53,977
Commission:	\$ 1,806.71	\$ 3,051.76	\$ 4,857.91

Note - all figures in \$000s.



Group Gallery

Design Templates

Color Schemes

Abc

Abc

Abc

Abc

Abc

Abc

Abc

Abc

Abc

Abc

Abc

Abc

Layout

Formatting

Scenario: "Folio"



- Any user can create great looking templates that work on all their Office documents.

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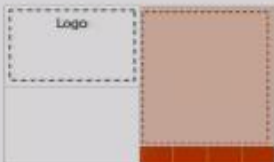
The Folio is both:

- A flexible definition of a master document theme that utilizes common components (colors, fonts, graphics) and app-specific settings (chart styles, backgrounds)
- An innovative way to create these themes that yields unique, personalized, and professional results.

Folio + Application = Professional Results



Arial
Tahoma



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Volume Up



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Volume Down

Folios help users create consistent documents across the Office family



Publisher



PowerPoint



Excel

OfficeArt 2.0: Take Office Graphics to the 21st Century!

- **21st Century Output**

Enable Office customers to create 21st century documents using new visual effects.

- **Editing Consistency**

Make creation, manipulation, and editing of all graphical elements consistent across Office.

- **Intelligent Styles**

Help the user create graphics that match and enhance a document's purpose. Every choice looks good!

- **High Quality Output**

Take advantage of current generation hardware to create high quality output to screen, web and print.

OfficeArt 2.0

012

- Rendering Effects
 - Raster effects on all objects – glow, bevel, etc
 - Soft shadows
 - Natural line and fill styles
 - 3D – light sources, extrusions, rotations



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 - Ease of integration
 - Consistent user interface
 - Simplified anchoring model
 - Application customization
 - Template (folio) and color scheme support



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 - Rich text capable of meeting application needs (ie, PowerPoint)
 - Natively "WordArt" enabled, GEL effects on text



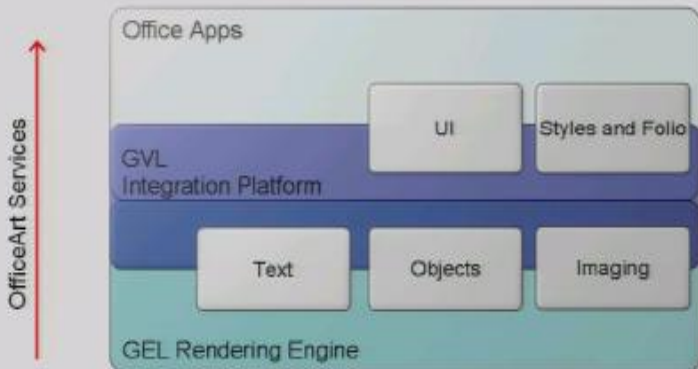
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- Imaging improvements – editing & effects



OfficeArt Pillars Diagram



What the GEL Provides: Fills

- Solid color
- Gradients
 - Linear - various orientation
 - 2+ colors
 - Conical, radial, square
 - Gradient control
 - Allow user to set blending point for the start or end color.
 - Gradients on lines and curved paths
- Textures and Images
 - Treated as the same internally
- Patterns
 - legacy and charting
- Animated and Video Fill



What the GEL Provides: Fills

Effect Gallery UI

Gradient: Text

Mission
Gradients are cool

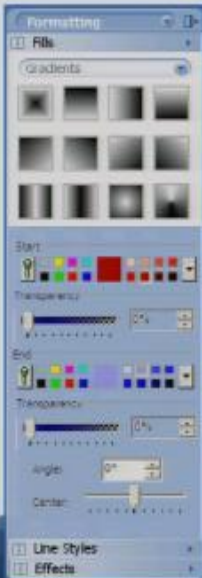
Gradient: conical



Picture Fills:
with soft edging



Motion Fills: Picture Fill
with animated Ripple Effect



What the GEL Provides: Line Styles/Edges

Artistic Brushes:

Oil - streaky crackle
Charcoal Brush



Object with artistic
Edges



Teacup clipart rendered with
various artistic strokes

Photo Brushes:



Soft Edges:



Rough Edges:

**rough
it up**

Line Style UI:



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What the GEL Provides: Effects

- **Shadow**
 - Drop, 3D, and Inner shadow types
- **Transparency**
 - Greater control over transparency
 - Basic (on a fill as we do today)
 - Advanced (start and finish controls)
- **color Effects**
 - Tinting, brightness/contrast, hue/saturation/, negative, grayscale
- **Distortion and Skew**
- **3D Effects**
 - X/Y/Z planes of rotation, beveling, emboss, embed, lighting, 3D scenes (graph)
- **Blur and glow**
 - Gaussian
- **3D scenes**
 - Specific request from graph



What the GEL Provides: Effects

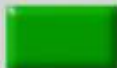
Shadow Effects:

hello

3d shadow

inner shadow

3D Effects:



Transparency:



Glow Effect:

Thank You

Our Mission

Blur Effect:

some text

Line Style UI:



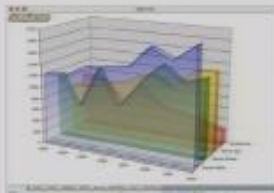
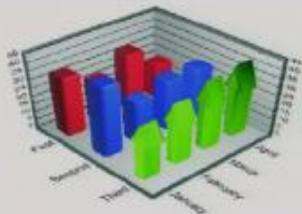
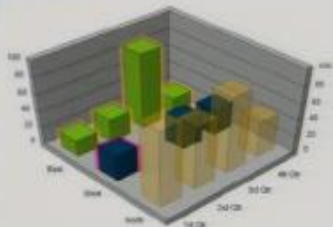
What the GEL Provides: Effects

color Effects: Tinting
with Skew



What the GEL Provides: Effects

3D Effects: 3D Scenes
for Charting



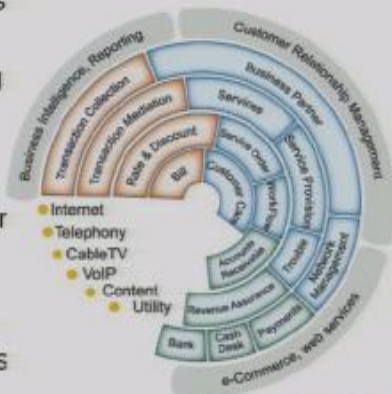
Text and Tables Engine

Trans
formation

2

Text Goals

- Unify text, WordArt, and graphics
- Guarantee rendering and printing fidelity cross-app
- Satisfy client (visio, chart, folio) reqm'ts and lower implementation costs
- Improve text features (attached text – Photoshop top use includes putting text on images)



Features

- Superior text rendering using Longhorn Text services:
 - ClearType subpixel alignment
 - Line Services 4.0
 - Improved Int'l support
- Apply graphical effects to inline and attached Text
- Improve Text anchoring
- Text following paths or shapes
- Text wrapped to/by an arbitrary polygon
- Text stretched to an arbitrary polygon
- Kerning and manual tracking, Ligatures
- Shared Text Engine needs to support Ink integration requirements



Tables

- Customers need graphically modern tables
- Work towards consistency across Office (editing, styles)
- Needs to be reconciled with existing tables (each app has one)

Ship	Passengers	Capt	Engineer	Service	Crew	Cruise time
Infinity	1,800	\$2	88.8	80.2	88.2	Celebrity Cruises
Legend of the Sea	2,270	\$55	78.8	80.8	72.8	Royal Caribbean
Regal Princess	1,000	\$5	88.8	78.2	81.2	Princess
Millennium	1,550	\$22	78.8	88.2	85.8	Celebrity Cruises
Norwegian Sky	2,082	\$33	87.2	78.8	81.8	Norwegian
Disney Wonder	2,400	\$44	88.8	80.2	89.8	Disney
Costa Concordia	2,600	\$2	88.8	78.2	88.2	Costa Cruises
Costa Concordia	2,600	\$2	88.8	78.2	88.2	Costa Cruises
Costa Concordia	2,600	\$2	88.8	78.2	88.2	Costa Cruises
Costa Concordia	2,600	\$2	88.8	78.2	88.2	Costa Cruises

Improvements to Text anchoring



Anchors above and next to bar

Caption



Caption

Caption

Caption

Possible anchor points for captioning and annotating images

Text following paths or shapes



Text wrapping to/by an arbitrary polygon

a newsletter
realized
targeted
letters can be
market your
ce, and also
y and build
m's iden-
s, mem-
i, or ven-

the audi-
sletter.
yone who
on the infor-
na, for exam-
or people
chasing a
ating your

e a mailing

THOMAS COOK TRAVEL SERVICES, INC.

membership lists. You might
consider purchasing a mail-
ing list from a company.



If you
explore the Publisher cata-
log, you will find many pub-
lications that match the style
of your newsletter.

THOMAS COOK TRAVEL SERVICES, INC.

These factors
mine how freq
publish the ne
length. It's rec
that you publi
letter at least q
that it's cons
istent sour-
tion. Your
employee
forward to

Text stretched to an arbitrary polygon



OfficeArt



OfficeArt

International support

مختصة جثث

Arabic text with glow effect



Chinese text with soft shadow



Arabic text with solid fill and outline



Japanese text with thick stroke
(could also be native to font)

OfficeArt UI Improvements



Goals of a OfficeArt 2.0 UI

- End User Success
 - Design the interface for all levels of users
- One Step Formatting
- User in Control
 - Feature specific customization deeper than presets
- Context Sensitive
 - Responsive UI based on selection and task
- Real Time Feedback
 - Users see the outcome of their actions
 - UI Performance
- Consistency
 - Between all clients of Office Art

Imaging: Goals

- Continued and improved support for I-Worker scenarios relating to accessing, manipulating and sharing of digital pictures and images.
 - Picture Manager
 - Office applications
- Focus areas:
 - Image improvements and corrections
 - Image creation and effects
 - Integration of new imaging technology



Imaging: Improvements and Corrections

- Improve our set of graphic correction tools and make them available to any Office application
 - MSR/Longhorn corrections
 - Auto-Correct: automatically corrects color and brightness
 - Auto-Red Eye: find eyes and correct
 - Auto-Cut Out: find subject and cut out background
 - Auto-Crop: detect interesting subject area
 - Image Repair:
 - New corrections
 - Sharpen



Imaging: Creation and Effects

- Enable creation of images for Office output
 - Graphics creation for Office:
 - Intelligent Auto Compress for images
 - Create background
 - Improved "Send To" functionality
 - Text Annotations
 - Imaging Effect for Office scenarios
 - Tint, Color, Other effect filters
 - Cut out

Original Photo



New Background Photo



Cut Out



Major Areas of Investment

1. Richer Annotations
2. Awesome Ink Email!
3. Pen/Ink for Drawing
4. Improved Pen/Ink UI

Cross-Office Initiative (our team drives)

- Making Office12 GREAT on TabletPC's

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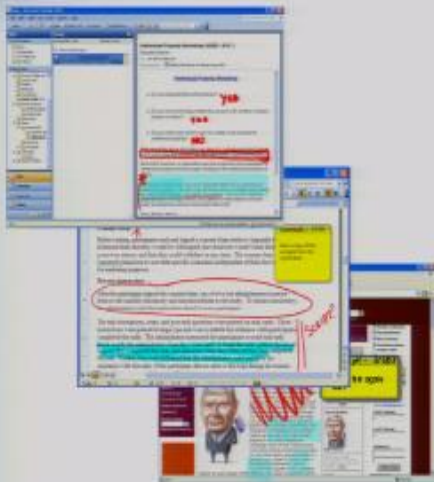
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100% Annotation *Scenarios*



100% Annotation Scenarios

1. Personal Annotations (Reader)
 - Markup any document/email I read
 - Search for anything I read later
 - The annotations are for my own use



100% Annotation Scenarios

1. Personal Annotations (Reader)
 - Markup any document/email I read
 - Search for anything I read later
 - The annotations are for my own use
2. Public Discussion/Review (Reviewer)
 - Markup a shared or emailed document
 - My comments viewable by everyone or only me



100% Annotation *Scenarios*

1. Personal Annotations (Reader)
 - Markup any document/email I read
 - Search for anything I read later
 - The annotations are for my own use
2. Public Discussion/Review (Reviewer)
 - Markup a shared or emailed document
 - My comments viewable by everyone or only me
3. Document Review/Editing (Author)
 - Collect all annotations on a document
 - Review/search/filter annotations
 - Make changes to doc based on markup

NOTE: These scenarios are not just for ink; apply to text bubbles, and voice comments, etc.



Annotation Reflow: Word Example

	Original	Reflowed	Cleaned
Underline	She's cute, no question. <u>Symmetrical features.</u> <u>Featureless skin, looks to be 22 years old.</u> Entering any bar, a woman lucky enough to have this face would	She's cute, no question. <u>Symmetrical features.</u> <u>Featureless skin, looks to be 22 years old.</u> Entering any bar, a woman	She's cute, no question. <u>Symmetrical features.</u> <u>Featureless skin, looks to be 22 years old.</u> Entering any bar, a woman
Highlight	She's cute, no question. <u>Symmetrical features.</u> <u>Featureless skin, looks to be 22 years old.</u> Entering any bar, a woman lucky enough to have this face would	She's cute, no question. <u>Symmetrical features.</u> <u>Featureless skin, looks to be 22 years old.</u> Entering any bar, a woman.	She's cute, no question. <u>Symmetrical features.</u> <u>Featureless skin, looks to be 22 years old.</u> Entering any bar, a woman
Circle	She's cute, no question. <u>Symmetrical features.</u> <u>Featureless skin, looks to be 22 years old.</u> Entering any bar, a woman lucky enough to have this face would	She's cute, no question. <u>Symmetrical features.</u> <u>Featureless skin, looks to be 22 years old.</u> Entering any bar, a woman	She's cute, no question. <u>Symmetrical features.</u> <u>Featureless skin, looks to be 22 years old.</u> Entering any bar, a woman
Bar	She's cute, no question. <u>Symmetrical features.</u> <u>Featureless skin, looks to be 22 years old.</u> Entering any bar, a woman lucky enough to have this face would	She's cute, no question. <u>Symmetrical features.</u> <u>Featureless skin, looks to be 22 years old.</u> Entering any bar, a woman	She's cute, no question. <u>Symmetrical features.</u> <u>Featureless skin, looks to be 22 years old.</u> Entering any bar, a woman
Marginalia	Featureless skin, looks to be 22 years old. Entering any bar, a woman lucky enough to have this face would but enough heads to stir a breeze. But when Volter	Featureless skin, looks to be 22 years old. Entering any bar, a woman lucky enough to have this face would	Featureless skin, looks to be 22 years old. Entering any bar, a woman lucky enough to have this face would

Annotation Reflow: Word Example

	Original	Reflowed	Cleaned
Underline	She's cute, no question. <u>Symmetrical features</u> . <u>Featureless skin, looks to be 22 years old</u> . Entering any bar, a woman lucky enough to have this face would	She's cute, no question. <u>Symmetrical</u> <u>features; featureless skin, looks to be 22</u> <u>years old</u> . Entering any bar, a woman	She's cute, no question. <u>Symmetrical</u> <u>features; featureless skin, looks to be 22</u> <u>years old</u> . Entering any bar, a woman
Highlight	She's cute, no question. <u>Symmetrical features</u> . <u>Featureless skin, looks to be 22 years old</u> . Entering any bar, a woman lucky enough to have this face would	She's cute, no question. <u>Symmetrical</u> <u>features; featureless skin, looks to be 22</u> <u>years old</u> . Entering any bar, a woman	She's cute, no question. <u>Symmetrical</u> <u>features; featureless skin, looks to be 22</u> <u>years old</u> . Entering any bar, a woman
Circle	She's cute, no question. <u>Symmetrical features</u> . <u>Featureless skin, looks to be 22 years old</u> . Entering any bar, a woman lucky enough to have this face would	She's cute, no question. <u>Symmetrical</u> <u>features; featureless skin, looks to be 22</u> <u>years old</u> . Entering any bar, a woman	She's cute, no question. <u>Symmetrical</u> <u>features; featureless skin, looks to be 22</u> <u>years old</u> . Entering any bar, a woman
Bar	She's cute, no question. <u>Symmetrical features</u> . <u>Featureless skin, looks to be 22 years old</u> . Entering any bar, a woman lucky enough to have this face would	She's cute, no question. <u>Symmetrical</u> <u>features; featureless skin, looks to be 22</u> <u>years old</u> . Entering any bar, a woman	She's cute, no question. <u>Symmetrical</u> <u>features; featureless skin, looks to be 22</u> <u>years old</u> . Entering any bar, a woman
Marginalia	Featureless skin, looks to be 22 years old. Entering any bar, a woman lucky enough to have this face would have enough heads to win a lottery. But when Victor	Featureless skin, looks to be 22 years old. Entering any bar, a woman lucky enough to have this face would	Featureless skin, looks to be 22 years old. Entering any bar, a woman lucky enough to have this face would

Annotations Reflow Cont'd

- Why we think we can pull this off:
 - 5 major types of annotations: *underline, highlights, marginalia, circle, margin bar*
 - 58% underlines / highlights
 - 24% are marginalia
 - 82% of personal annotations are anchor-only
- PPT and XL introduce some difficult cases for parsing/anchoring/reflow:
 - 2D Layouts: Diagrams, Drawings, Master Objects
 - Tables
 - XL filtering
 - 2D layouts with templates/masters

Awesome Ink Email!

- **100% Scenarios**

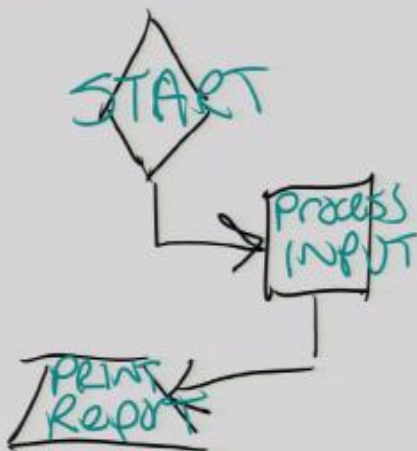
1. SUPER Easily address, add subject, and write body of new ink email or ink reply
2. Free-form Annotate an email thread and send reply that looks right to all recipients
3. Batch convert ink email to text

- **Relevant Research Findings**

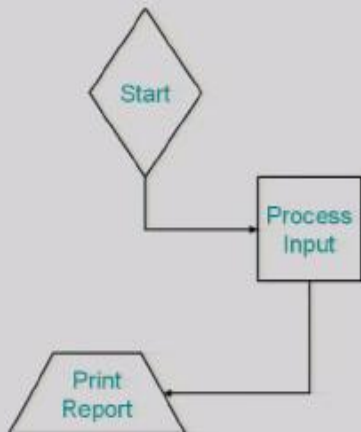
- Usability/Beta:
 - Nobody wants to write in a box.
 - TIP sucks for addr, subject.
 - People want to bulk convert ink to text
- Annotation:
 - Users of Office11, and BillG really want this.
 - TabletPC ad lied and showed this



Sketch Convert to Drawing



Sketch Convert to Drawing



PowerPoint 12 key features

- 21st century documents
 - OfficeArt improvements
 - Animation and multimedia
 - Exposing the above through templates and styles
- Presenting improvements – leveraging multiple monitors
 - Digital meetings: remote attendees, recording presentations
- Pitchbooks
 - support for dense printed documents
 - Presentation assembly and digital asset management
 - XML, and handling of a new file format

Animation and multimedia improvements

- Flash-like text effects
- Modern transition effects
- Animation techniques for better communication
- Improved video and audio support
 - sound/video across slides
 - better performance and control
- Professional not garish styles

Animation Styles

- Key Goals
 - Replace existing Animation Schemes feature with a new feature that helps users construct complex animations easily
 - Help customers add animations that make communication more effective
- Uses
 - Diagram, chart, table animation
 - Pictures synchronized with bullets





Apply to selected chart:

No Animation



Subtle



advance: ☒ mousedown ☐ automatically

Play

Slide Show

☒ AutoPreview



Apply to selected chart:

No Animation



Subtle



advance: ☒ mousedick ☐ automatically

Play

Slide Show

☒ AutoPreview



MegaCorp Sales Figures



Apply to selected chart:

No Animation



no animation

Subtle



build by category



build by series

advance: ☒ mousedown ☐ automatically

Play



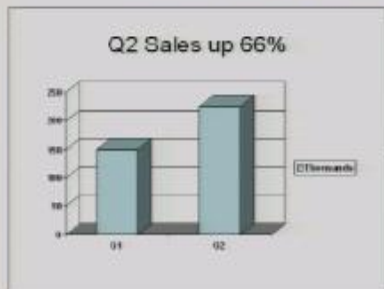
Slide Show

☒ AutoPreview

Click to add notes

Richer presentation templates

- Control more than just background and font
 - Table, chart, diagram styles
 - Intelligent color model
 - Better 2-D positioning (designer grid?)



Presenter view through multiple monitors

Projected Image to Audience

Session Objectives

- Set context for rest of Design Preview



Laptop Display for Presenter

Session Objectives

- Set context for rest of Design Preview
- Outline key principles for designing user interfaces for Longform apps
- Understand why and where we've evolved
- Understand that we're breaking and to what



- Set context for rest of Design Preview

This presentation will help us set a context for the rest of the weekend's events. It should help you to understand which sessions you would like to go to and which you will skip.



Next Build

Next Slide

Slide # 4/26

Time: 03:45 / 12:52



Distribution scenarios

Save for Distribution



How would you like to distribute your PowerPoint Presentations?



A CD-ROM will be burned with the desired PowerPoint Presentations and the PowerPoint Viewer. This CD will play on computers running Windows 98 or later.

- ☒ Save to CD
- ☐ Save as Video
- ☐ Save to DVD-Video
- ☐ Save to Network Share ★
- ☐ Save to SharePoint Site
- ☐ Send as E-mail Attachment

< Back

Next >

Cancel

Distribution scenarios

Save for Distribution



How would you like to distribute your PowerPoint Presentations?

- ☐ Save to CD
- ☐ Save as Video
- ☐ Save to DVD-Video
- ☒ Save to Network Share
- ☐ Save to SharePoint Site
- ☐ Send as E-mail Attachment

Your files will be saved to a network share. If other people on the network do not have Microsoft PowerPoint, you can save it with the PowerPoint Viewer.

< Back

Next >

Cancel

Record Presentation

- Key Goals
 - Enable user to capture the presentation experience so they can distribute the rich presentation later.
 - Minor goal: Unify UI for record narration, record timings
- Records a user giving a presentation, either at her desk or in front of an audience
- Captures interactivity, mouse movements, ink, plus video and audio of the presenter.
- Integrated into Podium View feature
- Integrated with LiveMeeting (implemented by?)



Major focus: Pitchbooks

- PowerPoint files are increasingly a mission-critical document type for “pitch books”: financial/investment, DOD, etc.
- Frequently targetted for print, and may never be used on-screen.
- Complex layouts with many more objects than a title and body.
- Font sizes are often too small for reading when projected, or for editing at “fit to window” zoom scales.
- Often assembled from existing slides, graphics and data.
- Document creation can involve complex workflow: reviewing cycles, signoff requirements, permission restrictions, and expiration dates.
- Stringent corporate design and construction guidelines.
- Authoring by multiple people is common, potentially simultaneously.
- Custom solutions are frequently developed to help programmatically assemble these presentations.

File >

Edit >

Insert >

Format >



Slides



Slide 1 of 10

Presentation title

Company name
Address
Phone number
E-mail address

Client Logo

PRESENTATION TITLE

PRESENTATION TITLE
COMPANY NAME
ADDRESS
PHONE NUMBER
E-MAIL ADDRESS

PRESENTATION TITLE
COMPANY NAME
ADDRESS
PHONE NUMBER
E-MAIL ADDRESS

Click to add notes.

Add a new slide...

Delete this slide...

Pitchbook Styles

Select pitchbook style

Pitchbook Styles

Title

Overview

Profile

Market summary

Market trends

Industrial snapshots

Financial reports

Partners

Evaluators

Recommendations

Insert

Company Profile - Fast

Pitchbook Review



Slide Sorter

Thumbnail view of slides. The first slide is visible, showing the presentation title and content. Below the thumbnails are buttons: **Add a new slide...** and **Delete this slide...**

Slide Show

Click to add notes.

PRESENTATION TITLE

Click Logo

PRESENTATION CONTENTS

OVERVIEW > INTRODUCTION

PRESENTATION > MARKET TRENDS > INDUSTRIAL INAPPROPRIATE

RECOMMENDATIONS

Playback

Select playback style

- Standard Pitch
- Projected Pitch**
- Black and White Pitch

Overview

Profiles

Market summary

Market trends

Industrial inapproprate

Financial reports

Partners

Evaluators

Recommendations

Insert...

Copy profile: Fast

Playback review

[Return to top](#)

Return >

[RETURN TO TOP](#) >

10

100

Figure 1

Cheryl L. Dixon

PRESENTATION TITLE

INDUSTRY-ACADEMIA PARTNERSHIP

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Journal of Internal Medicine 255: 103–110

© 2004 Blackwell Publishing Ltd *Journal of Internal Medicine* 255: 103–110

10

[Click to print notes](#)

 Add a new slide...

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Midwest Airlines

Projected Return

Friedrich W. W. W.

TID

Christy Walker

Findings

Market segmentation

Markel, T. et al.

Industrial Inquiries

Personal narratives

References

Evaluators

Recommendations

President

[17] [petroleum.org](#)

File >

Edit >

Insert >

Format >



Slides



Add a new slide...

Delete this slide...



Click to add notes.

PPTbook Slides

Projected Path

PPTbook Slides

Title

Overview

Profiles

Market summary

Market trends

Industrial snapshots

Financial reports

Partners

Evaluators

Recommendations

Insert...

Copyright: Fast

PPTbook Review

File >

Edit >

Insert >

Format >



Slides



Add a new slide...

Delete this slide...

Chart Tools

Bar Chart

Chart Tools

Chart Title for Chart

DRAFT



Horizontal Bar Chart

Click to add notes.

Recent Office Content

Search for content

Content location:

Home Financial Group

Selected categories:

- ☒ All Categories
- ☐ Pitchbook Archive
- ☐ Client Information
- ☐ Market Research
- ☐ Manufacturing
- ☐ Service
- ☐ Technology
- ☐ Network/Telecom
- ☐ Desktop PCs

Search results

File >

Edit >

Insert >

Format >



Slides



Add a new slide...

Delete this slide...

Add chart to...

Bar Chart

CHART LOGO

Insert data for chart

DRAFT



MyChart - MyChart

Click to add notes.

Browse Office Content

Search for content

Content location:

Home Financial Group

Select categories:

Network, telecom

Content types:

All content

Enter a search phrase:

optical switches

Search results

File >

Edit >

Insert >

Format >



Slide



Add a new slide...

Delete this slide...

Add notes to...

Bar Chart

Chart Tools

Insert links to chart

DRAFT



No tags found

Click to add notes.

Browse Office Content

Search for content

Search results

Charts and Graphs



Diagrams and Drawings



PowerPoint Slides



Source: prot23.ppt

Author: tedj

Security: none

details...



Source: analysis...

Author: steph...

Security: protected

details...

File >

Edit >

Insert >

Format >



Slideshow



Add a new slide...

Delete this slide...



Click to add notes.

Browse Office Content

Search for content

Search results

Charts and Graphs



Diagrams and Drawings



PowerPoint Slides



Insert

Insert and link

Link only

Show Large Preview



 Add a new slide...

 Delete this slide



Search for a solution

[illegible]

Charts and Graphics



Diagrams and Drawings

PowerPoint Slides



Insert

Therapy and Goals

Link only

State-Large Firms



Slide Sorter

Slide 1: Pie Chart

Slide 2: Table

Slide 3: Bar Chart

Slide 4: Add a new slide...

Slide 5: Delete this slide...

Slide 1: Bar Chart

Chart Title: Bar Chart

Chart Type: Bar Chart

Chart Data:

Category	Value
Category 1	1000
Category 2	2000
Category 3	3000
Category 4	4000

Slide 2: Microsoft Internet Explorer

Warning: These slides contain ink contents or reviews. Would you like to remove this potentially sensitive content?

Yes No

PowerPoint Office Content

Search for content

Search results

Charts and Graphs

Diagrams and Drawings

PowerPoint Slides

Source: prof 23

Author: tedg

Security: none

Details...

Insert

Insert and link

Link only

Show Large Preview



* All results by type

All variables are log-transformed.

All document results (8)

AP annual results (4)

All tasks results (35)

All visited website results (7)

Filtered Top

Type any word here:

Last modified: [↗](#)

File Name: 44

more filters

Landscape



Consumer & Leisure



Game Library



Pharm. Libr. 11



My Contacts



Picture & video library

Hard Disk Drives



Windows
 Microsoft Office 2004
 Free (www.4all.com)



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Frame Squared: 45.13%



COMMISSIONER, TP
Formerly Public Affairs
From 1990 to 1992

Devices with Removable Storage

Telecom market diagram

Research by The IF

Continuing something... a

 [@Twitter](#) on the Internet

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3. Search for Pongos

66 *Journal of Management Education*

* All results by type

All names are in parentheses.

All document results (8)

AP normal range (4)

All tasks results (35)

All visited websites were the (2)


Fitted Top

Type any word here

Last modified: [↗](#)File System: [more filters](#) 

Liberman

Documents & Settings
Tiger@Tiger-PC

 Gene Library
Typesetting Hans Library
Tupper Lake, NY My Contacts
 My Library Picture & video library
 Tunes Library


Wang, Q. Q. & Chen, Y. 2000. *China's Fishery Resources*. China Ocean Press, Beijing.

 Windows
Microsoft® Windows 10
Free Support: 800-445-1111



COMPU LINK
 Personal File: 17%
 Free Space: 38.3%

DISK#000000_7E
Percent Full: 1.77%
Free Space: 45.1 GB



DWM6000 TP
Powerful Audio Effects
First Edition: 178 P. 000

Devices with Removable Storage

My Computer

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

Telecom market diagram

Researching the 20

 Search for Email

 Search on this channel

 Savage's Post Office *reopened*

[Search on MS-Concept](#)

Section: for People

 Search for Assistance

* All results by type

All names are in *italics*.

All document results (10)

All animal research was done in accordance with the following guidelines:

All tasks resulting in 100%

All visited website results (7)

Filtering Tip

Type any word here:

Last modified: [↗](#)File System: [more filters](#) 

Landscape


Document Library
Types Library

 Gene Library
Protein Library
Pharos Library
Tupper Lake, NY My Contacts
 Twitter

 Picture & video library
Topic Library


Hard Disk Drives

Windows
 Microsoft® Windows 10
 Home Edition 64-bit



DISCOUNT TO
Standard Rate: 17%
Free Shipping on \$300

TOPHAWOOD_7E
Percent FyB: 1.7%
Price/Square: \$5.138



CD-MARKING TP
Permanent Marking Ink
Print Speed: 120-8000

Devices with Removable Storage



Search Results

search - containing "Telecom market diagram"



menus

Search for: Telecom market diagram

Search my stuff

Currently searching...

100



20 results

Microsoft Office Contents search

Send selected items to Office

Select document



More activities

All results by type

All results by location

All document results (0)

All email results (4)

All task results (0)

All visited website results (7)

Filter by:

Type any word here

Last modified -

File type -

more filters



Size



Name

Date

Size

Type

3 Drawings and Diagrams of 20 results

All document results



6 PowerPoint Slides of 20 results

All document results



Windows Explorer

My Computer

My Recent Places

My Network Places

My Computer

My Recent Places

My Network Places

My Computer

My Recent Places

My Network Places

My Computer

My Recent Places

My Network Places

My Computer

My Recent Places

My Network Places

My Computer

My Recent Places

My Network Places

My Computer

Search Results

000000

Search for: Telecom market diagram

CLINICAL RELEVANCE

Currently searching _____

20 results

Microsoft Office Contents search

 Outlook

41

Q1) - **Explain the following:**

 Psychology 2021

* All results by type

All results by location.

All measurements resulted in:

AP overall results (4)

All tasks resulted in 100%

All visited website results (7)

Editorial

Type any word here

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File System: [more filters](#)

3 Drawings and Diagrams of 3D results

6 PowerPoint Slides of 20 results

為讀者提供最佳服務

File >

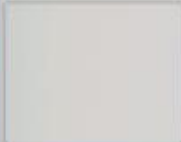
Edit >

Insert >

Format >

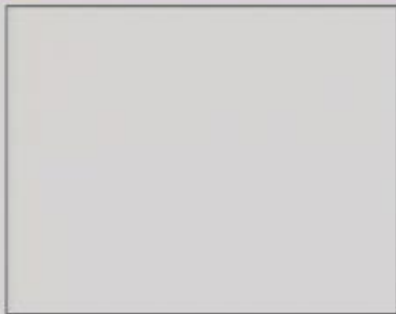


Slides



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Company Search

Search
ResultsBrowse by
Industry

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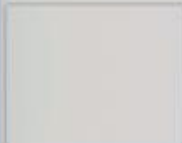
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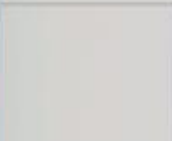
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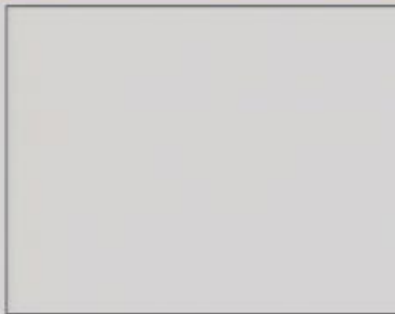


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10



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Tear Sheet

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Search Results

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Industry

Lipart

1076

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Figure 4

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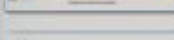
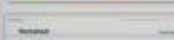
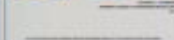
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Client Logo

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Richbook Slides

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Reviews

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Financial Analyst

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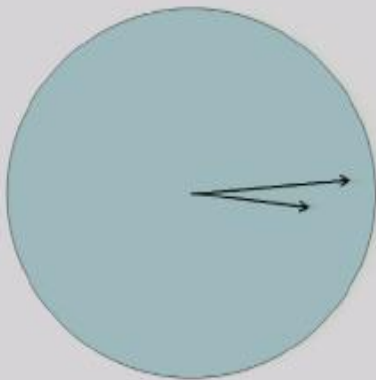
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Financial Totals

Summary

DRAFT

NO. 101		Market Summary		Summary Totals
NO. 101	NO. 101	NO. 101	NO. 101	NO. 101
NO. 101	NO. 101	NO. 101	NO. 101	NO. 101
NO. 101	NO. 101	NO. 101	NO. 101	NO. 101

Financial Totals (NO. 101)

Summary	
Total Sales	100
Expenses	100
Profit	100

Tear Sheet (NO. 101)

Category	2000	2001	2002	2003	2004
Revenue	10000	10000	10000	10000	10000
Expenses	10000	10000	10000	10000	10000
Profit	10000	10000	10000	10000	10000
Revenue	10000	10000	10000	10000	10000
Expenses	10000	10000	10000	10000	10000
Profit	10000	10000	10000	10000	10000



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Policy Groups

External

Internal

Internal & Patient

Remove this Smart Tag

Smart Tag Options...

Acme Notebook Task

11 Notebook Slides

11 Corp Profile Book

11 Notebook Review

Reviews

Author

Notebook Review

Financial Analyst

Greg Meander

Auditor

Dee Suther

Manager

Katie Ostrander

Review

XML file format

- New for PowerPoint and OfficeArt
- Architected for reliability, security, extensibility
- Support document shredding and assembly
- Office consistency
- Hard problems
 - Size and Perf
 - Container
 - Backwards compatibility

Research problems?

- Color and style models, including 2-D transformations
- Imaging improvements, including size management and auto-correct features
- Ink recognition and anchoring – beyond just text
- Remote presentations and presentation recording
- XML technologies - document assembly, etc
- Other?



Questions...

